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length: 2000000000
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17316.690 Million cell updates/sec
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Pred. No. is the number of results predicted by chance to have a

REFERENCE AUTHORS TITLE JOURNAL

Boutaud, A.

Recombinant laminin 5
Patent: WO 0066731-A 25 09-NOV-2000;

Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 5200)

VERSION KEYWORDS SOURCE ORGANISM

> AX045561.1 human.

RESULT 1
AX045561
LOCUS
DEFINITION
ACCESSION

AX045561

5200 bp 25 from Patent WO0066731.

DNA

linear

PAT 24-NOV-2000

GI:11344011

Sequence AX045561 score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. ი ი 2590 2537.4 860.2 2652. 2879 528.2 517.6 515.6 515.6 515.6 515.6 515.6 515.6 515.6 515.6 515.6 514.6 514.6 514.6 Score Query Match 4948 4978 5306 5306 5306 5306 5306 77263 77263 77263 77554 7 Length 3020 7642 4948 5200 5200 5200 5156 5156 5156 5020 5020 5158 5158 5158 BG 29963396510 10 AX045571) MUSNICC AF373841 162750 HSLAMB2TB D MMU43327 AX045569 AL139013 AC004795 AF083372 AF079520 AF468048 AX302928 AX045123 AX045336 AX463756 AX045121 AX045113 AX045313 AX045330 AX463750 HUMLAMBB HSNICE AX045565 AX045567 MUSLAM2B AX045115 AX045561 I62749 AX335505 HSLAMI24 DROLAMB2 DMLAMB2 AX045332 AX463752 HSLAMB2T AX365737 H AF041835 AX045334 AX045563 AL354953 AX440444 AX045117 MUSLAMB2A ALIGNMENTS L20477 Mus musculu AF373841 Gallus ga J03484 Mouse lamin AX045115 Sequence AX045312 Sequence AX045313 Sequence AX045313 Sequence AX045314 Sequence AX045319 Sequence AX045310 Sequence AX045310 Sequence AX045313 Sequence AX045317 Sequence AX045317 Sequence AX045317 Sequence AX045117 Sequence AX045117 Sequence AX045117 Sequence AX045117 Sequence AX045118 Sequence AX045318 Sequence AX045318 Sequence AX045318 Sequence AX045318 Sequence AX045319 Sequence AX045319 Sequence AX045319 Sequence AX045319 Sequence AX045318 Sequence AX335505 Sequence U31201 Human lamin AL354953 Human DNA AL139013 Homo sapi AC004795 Homo sapi AX365737 Sequence X73902 H.sapiens m AX045565 Sequence AX045567 Sequence AX045563 Sequence I62750 Sequence 14 Z15009 H.sapiens m U43327 Mus musculu AX045569 Sequence AX045571 Sequence Description 162749 Sequence 12 Z15008 H.sapiens m AX045561 Sequence AF079520 Mus muscu AF083372 Mus muscu

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12 TAAAATCATCTCTGCCTTCCATCAAGATGTTGATGGCTGGGAAGGCTGTCCAAAGAAACGG	ccagigititigctargggcaficcgccagcigccacagctctggggactacagtgicca 	692 CTGTGATAGGTGTCGACCAGGTTACTATCACCTGGATGGGGGAAACCCTCAGGGCTGTAC 751	632 CATCTCAGGGCCCTGTGACTCAGGCCGCTGTGTCTGCAAGCCGGCTGTCACTGGAGAGAGC 691	572 TGCTGGGTGCGCCCAAGACCAAAGGCTGCTAGACTCCAAGTGTGACTCGTGACCCAGCTGG 631	512 GCCAGGTGTGACAGGAGACAGGTGTGACGATGTCTGCCCGGCTTCCACACACTCACT	452 TTGTAACTCTAAAGGTTCTCTTAGCGCTCGATGTGACAACTCTGGACGGTGCAGCTGTAA 511	392 CGAGAGGTGCAAGGCAGGATTTTACCGACAGAGAGAAAGGGACCGCTGTTTACCCTGCAA 451	332 ACAGACAGGAAATGGATTCCGCTGCCTCAACTGCAATGACACACAC	272 GGAAGTCTGTGATTGCAACGGGAAGTCCAGGCAATGCATCTTGACCAGGAACTTCACAA 331 192 GGAAGTCTGTGATTGCAATGGGAAGTCCAGGCAGTGTATCTTTGATCGGGAACTTCACAG 251	212 GCTGAGCTGCTACCTCTGCTTCTCGCTCCTGCCCGCAGCCCGGGGCCACCTCCGGGAG 271	159 AGCGACCCCTGCAGCGGCGGACCGCGCGCCGGCCTGGCCATGCCTGCGCTCTG 211.	AAGGCACAGCGGAGCGCAGAGTGAGAACTCCCAGCGGCGGGGGCGCCG 	uery Match 74.9%; Score 2986.2; DB 6; Length 5200; lest Local Similarity 88.5%; Pred. No. 0; latches 3328; Conservative 0; Mismatches 403; Indels 30; Gaps 7;	ırce 15200 /organism="unknown" JNT 1364 a 1236 c 1392 g 1208 t	Tryggvason, K., Kallunki, P. and Pyke, C. Laminin chains: diagnostic uses Patent: US 5660982-A IZ 26-AUG-1997; Location/Qualifiers	Unknown. M Unknown. Unclassified. Unclassified. Unclassified.	Sequence 12 from patent US 5660982. 162749 162749.1 GI:2480457	162749 5200 k
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RESULT 3 HSLAMB2T LOCUS	Oy 3077 AGATAMANGAGCHGAMGCTGAMGAGGCCATGAMGAGACTCTCCCTACATCAGCCAGAAGGT 1316	Qy 3017 CACTITTTATGAAGTTGAGAACATCTTAAAGAATCTCAGAGAGTTTGACCTGCAGGTTGG 3076

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Submitted (27-AUG-1992) Tryggvason
Oulu, Biochemistry, Linnanmaa, Oulv
Location/Qualifiers
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Tryggvason, K
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              ACAAACTGGTAATGGATTCCGCTGCCTCAACTGCAATGACAACACTGATGGCATTCACTG
                                   ACAGACAGGAAATGGATTCCGCTGCCTCAACTGCAATGACAACACTGATGGCATCCACTG 391
                                                                         GGAAGTCTGTGATTGCAACGGGAAGTCCAGGCAATGCATCTTTGACCAGGAACTTCACAA 331
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                                                                                                                                                CCTGCGGATCCGAGCTACCTACGGAGAATACAGTACTGGGTACATTGACAACGTGACCTT
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   TCCAGACACÁGGAGACTGTTÁCTCAGGGGÁTGAGAACCCTGACATCCCTGAGTGTGCTGA
                                                                                                                                                                                                             CCTCCGCATCCGAGCTACATATGGAGAATACAGTACTGGGTACATTGACAATGTGACCCT
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GGAGTATTCCAAAGAGCTGATGTCACTGGTGCGCGAGGCTCTGCAGGAAGGA		2426 TCCTTCAGAGCACTACGTGGGGCCAAATGGCTTTAAAAGTCTGGCTCAGGAGGCCACGAG 2485					2126 AGTACCCAACGCAGAGCTGGAAGGCAGGATGCAGCAGGCTGAGCAGGCCCTTCGGGGACAT 2185		2012 TGCGGCACTGACCAGCTGTCCAGCTTGCTATAATCAAGTGAAGGTTCAGATGGATCAGTT 2071	1952 GTGTCGAAGTGATGGCAGCTGTGTTTGCAAGCCAGGCTTTGGTGGCCTCAGCTGTGAGCA 2011	1832 CACAGCTGGGGTCCACTGTGACCAGTGCAAAGCAGGCTACTATGGGGACCCGTTGGCTCC 1891	1772 CCCTAGTGCCTCCGGGAACTGTGACCGCCTGACAGGCAGG	1712 CTTCGGGGAACGTGAGCCCAGTGAGGCCTTGTCAGCCCTGTCAGTGCAACAACAACGTGGA 1771	1652 CCCCCAGGGTGTCACTGGTGCCCGCTGTGAGCTCTGTGCTGATGGCTATTTTTGGGGACCC 1711	1592 TCGCAATGGGTTCAGCTGCTCCGTGATGCCTGAGACAGAGGAGGTGGTGTGCAATAACTG 1651	1532 CTGCCCCATTGGTTTCTACAACGATCCACAAGACCCCCGCAGCTGCAAGCCGTGCCCTG 1591	
Qy 3617 AGAGCTGGAAGAGAGGGGCACATCGGCAGAAGGGCCACCTCCGTTTCCTGGAGACTAGCAT 3676	Qy 3557 GGAGCAGAAGCTTTTCCGAGCCAAGACTCAGATCAACAGCCAGC	QY 3497 TGGCATCCTACACCTAATAGACCAGCCTGGCAGTGTGGATGAAGAGAGGCTGATCTTACT 3556	3437 AGTTGAAAACAGAGCCAAGAATGCTGGAGTTACGATCCAAGACACACTCAACACATTGGA 	Qy 3377 GGAGCAGGAGTTTGACATGGATATGGACGCAGATGGTAATTGCAGAAGGCCCAAAG 3436	Qy 3317 GAAGGGACTGGCCACTCTGAAAAGTGAGATGAGAAAGTGGAAAGGAGAGATGTCAAAGGAA 3376	Qy 3257 GGAGATAGGAGGTCTGAACTTGGAAGCCAATGTGACAGCAGATGGAGCCTTGGCCATGGA 3316	Qy 3197 CGCCCAGAGGGCAAAGAATGCAGCCAGGGAGGCCCTGGAGATCTCTGGCAAGATAGAACA 3256	Qy 3137 TGCAGGTGCCAGTGACAAGACGAAGCAAGCAGCAGCAGCAGTGCTGCTGCCGAGTGCTGCCGAGTGCTGCCGAGTGCTGCCGAGTGCTGCTGCCGAGCAGAAGAAGACCCTGGGGAGGAGCGCTGCTGCTGCAGATGCCAGCAAGAAGAAGAAGAAGAAGAAGAGCCCTGGGGAGCAGCAGCAGCAGAAAGAA	QY 3077 AGATAAAAGAGCAGAAGCTGAAGAGGCCATGAAGAGACTCTCCTACATCAGCCAGAAGGT 3136.	Qy 3017 CACTTTTATGAAGTTGAGAACATCTTAAAGAATCTCAGAGAGTTTGACCTGCAGGTTGG 3076	QY 2897 AGAACAAACCCGGCAGCTCTTACAGAATGGAAAGAATGGGAGACAGAC	2837 CCGTGTGACTAAGCATGATGAGTTCAAGCACGTGCAAAGCATCTGGGAAACTGGGA 	Oy 2780 TCAGTCCTTGCAGGT AGAAGCGAAGAGGCTCAGACAAAAGCTGATTCTCTCTCAAA 2836	2720 GTCTTATCAGGATAGTCTCCACCTTCTCAATTCGCTGTCTCAGATTCAGGGAGTCAATGA	2660 TAAATETCTIGGCCCAGGAGTTGTCGAGGGAGGCACACGACACGGAACCAGCAATAG	2526 CGGAAGCGGTAGCCCGGACGGTGCTGGTGCAAGGGCTTGTGGAAAAATTGGAGAAAAAC	Db 2466 GGACTATTCCAAACAAGCCCTCTCACTGGTGCGCAAGGCCCTGCATGAAGGAGTCGGAAG 2525

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QY 1399 AAAGAGATTCAGCCAGACTGGGACCTTTTGGCACCTGTAATCCTGCCAAGGGG 1458	1219 GGAACCTCACAGCCCTGCGGATCCGAGCTACGAGAATACAGTACTGGGTACATTG	907 ACCCATCTGCCCATGATGTGATTCTGGAAGGTGCTGGCTTACGGATCACAGCTCCCTTGA 1099 TGCCACTTAGCAAGACACTGCCTTGTGGGATCACCACAGCTCCCTTGA 1099 TGCCACTTAGCAAGACACTGCCTTGTGGGATCACCAAGACTTACACATTAAATG 11	THE PROPERTY OF THE PROPERTY O		Db 427 ACATGCTCACGGATGCGGGGTGCACCAAGACCAGAGACTGCTAGACTCCAAGTGTGACT 486 Oy 619 GTGACCCAGCTGGCATCTCAGGGCCCTGTGACTCAGGCCGCTGTGTCTCGCAAGCCGGCTG 678

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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 5156)
Vailly, J., Verrando, P., Champliaud, M.F., Gerecke, D., Wagman, D.W.,
Baudoin, C., Aberdam, D., Burgeson, R., Bauer, E. and Ortonne, J.P.
The 100-kDa chain of nicein/kalinin is a laminin B2 chain variant
The 100-kDa chain of nicein/kalinin is a laminin B2 chain variant
The 100-kDa chain of nicein/kalinin is a laminin B2 chain variant
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/product="nicein"
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/db_xref="GI:452755"
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/translation="MPALWLGCCKKGFYRHERDRCLPCNCVSKGSLSARCDNGGRC
RQTGNGFRCLMCDNTDGIHCEKCKNGFYRHERDRCLPCNCVSKGSLSARCDNGGRC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /map="1q25-31; in situ hybrid"
/cell_type="keratinocytes"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                organism="Homo sapiens"
/db_xref="taxon:9606"
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Biostatum, Inc. (US)
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                                                                                                       AGCTCCCTTGATGCCACTTAGCAAGACACTGCCTTGTGGGATCACCAAGACTTACACATT
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AX045567.1 GI:11344017
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Patent: WO 0066731-A 31 09-NOV-2000;
Biostatum, Inc. (US)
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Mammalia; Eutheria;
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RVRALGSQYQNRVRDTHRLITQMOLSLAESEASLGNINIPASDHYVGPNGFKSLAQEA
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3186 GCTGCTGCCGACGCCCACAGGGCAAAGAATGCAGCAGGAAGGCCCTGGAGATCTCTGGC	D 00 00 00	2120TGGAGCAGTACCCAACGCAGAGCTGGAAGGCAGGATGCAGCAGGCTGAGCAGGCC 2174
	Db Qy	ATGGATCAGTTTATGCAGCAGCTCCAGATCCTGGAGGCCCTGATTTCGAAGGCTCAGGG-
3066 CTGCAGGTTGGAGATAAAAGAGGCAGAAGCTGAAGAGGCCATGAAGAGACTCTCCTACATC	dg Vy	AGCTGTGAGCATGGGGACTGACCAGCTGCCAGCTTGCTATAATCAAGTGAAGGTTCAG
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AAGGA AGGGA	Qy Db	1461 GGGGCCTGCGATCCAGACACAGGAGACTGTTACTCAGGGGATGAGAACCCTGACATCCCT 1520
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	2 B 8	1221 AACCTCACAGCCCTGCGGATCCGAGCTACCTACGGAGAATACAGTACTGGGTACATTGAC 1280
	D &	1161 CATCCAAGCAGTAATTGGAGCCCCCAGCTAAGTTACTTTGAGTATCGGAGGTTACTGCGG 1220
1915 CTTCAGGACATTCTGAGAGATGCCCAGATTTCAGAAGGTGCTAGCAGATCCCTTGGTCTC	B B	

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Mammalia, Eutheria, P
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Sequence 27
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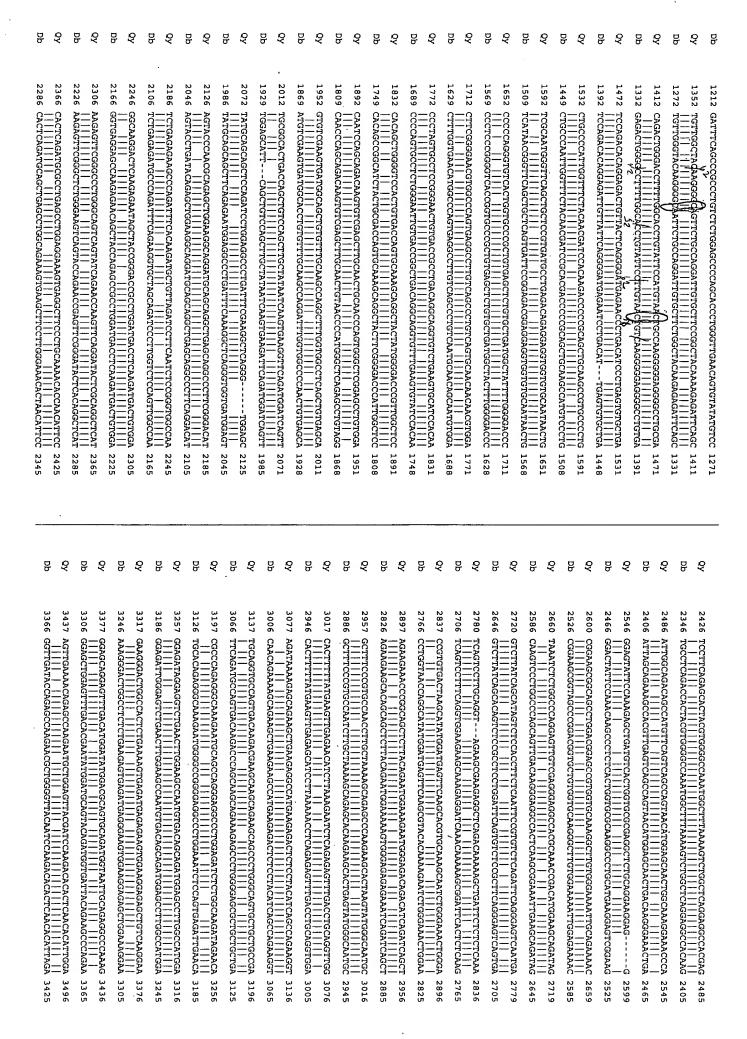
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2 (bases 1 to 4316)
Kallunki, P., Sainio, K., Eddy, R., Byers, M., Kallunki, T., Sariola, Kaltunki, P., Sainio, K., Eddy, R., Byers, M., Kallunki, T., Sariola, Beck, K., Hirvonen, H., Shows, T.B. and Tryggvason, K.
A truncated laminin chain homologous to the B2 chain: structure, spatial expression, and chromosomal assignment
J. Cell Biol. 119 (3), 679-693 (1992)
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 4316)
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Oulu. Biochemistry, Linnanmaa, Oulu,
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Direct Submission
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KRALSYLSQKVSDASDKTQQAERALGSAAADAQRAKNGAGABLEISSEIRGEIGSUNL
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J. Mol. Biol. 314 (4), 751-763 (2001)
                                                                                                                                                                                                                                                       Sasaki.T. and Yamada, Y.

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Submitted (26-FEB-2002) Laboratory of Developmental Biology,
National Institute of Dental Research, National Institutes of
Health, 9000 Rockville Pike, Bethesda, MD 20892, USA
Sequence update by submitter
On Feb 26, 2002 this sequence version replaced gi:1151216.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sugiyama, S., Utani, A., Yamada, S., Kozak, C.A. and Yamada, Y. Cloning and expression of the mouse laminin gamma 2 (B2t) chain, subunit of epithelial cell laminin Bur. J. Biochem. 228 (1), 120-128 (1995)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Submitted (13-DEC-1995) Laboratory of Developmental Biology, National Institute of Dental Research, National Institutes of Health, 9000 Rockville Pike, Bethesda, MD 20892, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mus musculus
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
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Mus musculus laminin gamma 2
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Direct Submission
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U43327.2 GI:18921413
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                                                            /gene="B2t"
42. .3617
                                                                                                                                                                                                                              Location/Qualifiers
1. .5158
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                                                                                                                                                                                                  strain="FVB"
                                                                                                                                                                                                             organism="Mus musculus"
                             note="lamc2"
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 2 chain precursor"
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COECASGYKRDSAFLGFFAGCVPCNCGGGACDDDTGDCYSGDENDIECADGFTGPT
NDPHDPRSCKPCPCHNGFSCSVMPETEEVVCNNCPPGVTGARCELCADGFTGDPTGFR
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EYRRLLRNLTALLIRATYGEYSTGYIDNVTLVSARFVSGAPAPWTERCVCPAGYKGGF VRRQRNHLHLLETSIDGILADVKNLENIRDNLPPGCYNTQALEQQ"

Pred. No. 0; 1; Mismatches No. 0; 1175 Cŧ 564; DВ 10; 1 others Length 15; 5158; Gaps

CAGAGACCGCTGCCTACCCTGCAACTGCCACTCAAAGGGTTCCCTCAGTGCTGGATGTGA AAGGGACCGCTGTTTACCCTGCAATTGTAACTCTAAAGGTTCTCTTAGCGCTCGATGTGA 487 331

CAACTCTGGACAATGCAGGTGTAAGCCAGGTGTGACAGGACAAAGATGTGACCGATGTCA CAACTCTGGACGGTGCAGCTGTAAGCCAGGTGTGACAGGAGACAGGTGTGACCGATGTCT

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607

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CAAGTGTGACTGTGACCCAGCTGGCATCTCAGGGCCCTGTGACTCAGGCCGCTGTGTCTG CAAGTGTGACTGTGACCCAGCTGGCATCTCTGGACCCTGTGATTCTGGCCGATGTGTCTG 511 667 451

CAAGCCGGCTGTCACTGGAGAGAGCGCTGTGATAGGTGTCGACCAGGTTACTATCACCTGGA 571 727

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CTACTATGGGGACCCGTTGGCTCCCAATCCAGCAGACAAGTGTCGAGCTTGCAACTGCAA	CAGGTGTCTGAAGTGCATCCACAACACGGCTGGGGTCCACTGTGACCAGTGCAAAGCAGG	1748 CTGTCAGTGCAACAACAACGTGGACCCTAGTGCCTCCGGGAACTGTGACCGCCTGACAGG 1807	1688 TGCTGATGGCTATTTTGGGGACCCCTTCGGGGAACGTGGCCCAGTGAGGCCTTGTCAGCC 1747	1628 AGAGGAGGTGGTGCAATAACTGCCCCCAGGGTGTCACTGGTGCCCGCTGTGAGCTCTG 1687	1568 CCGCAGCTGCAAGCCGTGCCCCTGTCGCAATGGGTTCAGCTGCTCCGTGATGCCTGAGAC 1627		1448 CTGCCAAGGGGAGGGGCTGCGATCCAGACACAGGAGACTGTTACTCAGGGGATGAGAA 1507	TTCCGGCTACAAAAGAGATTCAGCCAGACTGGGACCTTTTGGCACCTGTATTCCATGTAA		1268 TGGGTACATTGACCATGACCTTGATTTCAGCCCGCCCCGTTTCTGGAGCCCCAGCGCC 1327	1208 GAGGTTACTGCGGAACCTCACAGCCCTGCGGATCCGAGCTACCGAGAGAATACAGTAC 1267	1148 CAGATTAAATGAACATCCAAGCAGTAATTGGAGCCCCCAGCTAAGTTACTTTGAGTATCG 1207	1088 AGCTCCCTTGATGCCACTTAGCAAGACACTGCCTTGTGGGATCACCAAGACTTACACATT 1147	1028 GGGAGGCAGACCCATCTGCCCATGACGTGATCCTGGAAGGTGCTGGTCTACGGATCAC 1087	968 TCTTGGGAATCAACAGGTGAGCTACGGGCAAAGCCTATCTTTTGACTACCGTGTGGATAG 1027	908 GGATATATTTAGCTCAGGACGACGACGACCGTCTGTCTATTTTGTAGCTCCTGCCAAATT 967 	848 CTGGAAGGCTGTCCAAAGAACGGGTCTCCTGCAAAGCTCCAGTGGTCACAGCGCCATCG 907	
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Eukaryota; Metazoa; C
Mammalia; Eutheria; R
1 (bases 1 to 5159)
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Sequence 33
AX045569
AX045569.1
 Recombinant laminin 5
Patent: WO 0066731-A 33
                                    Boutaud, A.
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                                                                                                                                                                                                                                                                                                                                                                                              GGACAACCTGCCCCCGGGCTGCTACAATACCCCAGGCTCTTGAGCAACAGTGAAGCTGCCT
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                                                                     Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus
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665 CAAAAGGCTGATTCTCTCTCAAACCTGGTGACCAGACAAACGGATGCATTCACGCGTGTG	2814 CARRAGAGGAGTCARGTCARACAGTCAGCCATTCAGGGAGGAGCAAGCAAGCAGGAGCAGAAGCAAGC	*** ACGEMANCUCHCAIGEANGCHARGEICITAICHGCAINGEICICCHCCIICICHAIIC *** ACGEMANCUCHCAIGEANAGCHARGAIGEICHTAICHGCACAGATCICCHCCIICICHGAITC ***	634 AGGCTTGTGGGAAAATTGCAGAAACTAAATCTCTGGCCCAGGAGTTGTGCAAGGGAGGCC	74 GEOGRAPHIC TO THE STANDARD CHORANGE CONTROL	514 AGTAACATGAGCAACTGACAAACCCAGGAGTATTCCAAAGAGCTGATGTCACTG 514	454 GGCTTTAAAAGTCTIGGCTCAGGAGGCCACGAGATTGGCAGACAGCCATGTTCAGTCAG	394 ASIGNAGETICECTECAMANCACCAMATICETECTECTECAGACACTACGTIGGGGCCGAAT	334 CAMARICANGTICAGGATACICGASGCICATICAGITCAGITGGGCCIGAGGGATAGGAGATAGGAGATAGGAGATAGGAGATAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA	274 GACCGCCTGGATGACCTCAAGATGACTGTGGAAAGAGTTCGGGCCTGGGCAGTCAGT	065	154 ATCAGCAGGCTGAGCAGGCCCTTCAGGACATTCTGAGAAGCCCAGATTTCACAGAGT	103 ATTTCGAAGGCTCAGGGTGGAGCAGTACCCAACGCAGAGCTGGAAGGCAGG	043 AATCANGIGANGSTICAGAIGGGECCIGGGGCCCIGGGGCCCIGGGGCCCIGGGGCCCIGGGGCCCIGGAGGCCCCGGAGGCCCGGAGGCCCCGGAGCCCCGGAGGCCCGGAGGCCCCGGAGGCCCCGGAGGCCCCGGAGGCCCCGGAGGCCCCGGAGGCCCCGGAGGCCCGGAGGCCCGGAGGCCCGGAGGCCCGGAGGCCCCGGAGGA	CCAGGCTITGG. AGCCTICAGCTGTGATCAGCAGCCCTAACCAGTTGTCCTGCTTGCT	TO CANCEL TO THE STATE OF THE S			1803 ACAGGCAGGTGTCTGAAGTGCATCCACAACACAGCTGGGGTCCACTGTGACCAGTGCAAA 1862

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Biostatum, Inc. (US)
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Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mammalia; Eutheria; Rodentia; Sciurognat
1 (bases 1 to 1393)
Aberdam,D., Galliano,M.F., Mattei,M.G.,
Ortonne,J.P. and Meneguzzi,G.
Assignment of mouse nicein genes to chromamm. Genome 5 (4), 229-233 (1994)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (02-MAY-1994) Daniel Aberdam, Faculte de Medicine, U385, Ave de Valombrose 06107, Nice Cedex 2, France On May 26, 1995 this sequence version replaced gi:476722.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Developmental expression of nicein adhesion perbunits suggests multiple morphogenic roles Cell Adhes. Commun. 2 (2), 115-129 (1994)
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Mus musculus strain C57BL/C
Mus musculus
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                                                                                           TGCTGGGTGCGCCAAGACCAAAGGCTGCTAGACTCCAAGTGTGACTGTGACCCAGCTGG
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/ db_xref="g1:833771"
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/ translation="ROTGSGFRCLNCNDNTAGVHCERCREGFYRLRDRDRCLPCNCHS
/ translation="ROTGSGFRCLNCNDNTAGVHCERCREGFYRLRDRDRCLPCNCHS/
KGSLSAGCDNGGCCRCKFGVTGQRCDRCDPGEMLSDAGCTQCFCYGHSASCHASADFSV
HKITSTFSQDVJGWKAVQRNGAPAKLHWSQRHRDVFSSARRSDPVYFVAPAKFLCNQ
VSYGOLISFDYRVDRGGRQPSADVDLIEGAGLITSSLMAPGKTLPCGTTKTYFERLN
EHPSSHWSPQLSYFEYRRLLRNLTALLIRATYGEYSTGYIDNVTLVSARPVSGAPAPW
VERCVCPAGYKQOFCQECASGYKRDSARLGPFCACVPCNCQGGACDPDTGGKSGREK
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Sciurognathi; Muridae; Murinae; Mus
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Score 528.2; DB 5; Pred. No. 3.5e-129; 0; Mismatches 653;

Indels Length

30;

Gaps

338

398

348

408

AGGCCCTGTTCTTGCAATCCTGCTGGCAGCACAGGTG-----AA

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1 (bases 1 to 3020)
Halfter,W., Dong,S., Balasubrmani,M.
Aberrant histogenesis after temporary
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Direct Submission
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GNYSTTPPESSSDPNMTLLABEBARKLAERDAGARGVAETTRIAKAANDTSTEAYQLLLK
TLAGENQTARDIDELNQXYNQAANISRDLERQAARR"

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/product="laminin gamma
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/db_xref="GI:14165136"
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/db_xref="taxon:9031"
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1769	710 CCCTTCGGGGAACGTGGCCCAGTGAGGCCCTTGTCAGCCCCTGTCAGTGCAACAACAACAACGTG
1709 1707	50 TGCCCCAGGGTGTCACTGGIGCCCGCTGTGAGCTCTGTGCTGATGGCTATTTTGGGGAC
1649 1647	90 TGTCGC/ 88 TGCCCC
1589 1587	GCAAGCCGTGCCCC GCCAGCCCTGCCCC
1535 1527	76 GACACAGGAGACTGTTACTCAGGGGATGAGAACCCTGACATCCCTGAGTGTGCTGACTGC
1475 1470	19 GGACCTTTTGGCACCTGTATTCCATGTAACTGCCAAGGGGGAGGGGCCTGCGATCCA
1418 1410	59 TACAAGGGCAGTTCTGCCAGGATTGTGCTTCCGGCTACAAAAGAGATTCAGCCAGACTG
1358 1350	99 91
1298 1290	39 ATCCGAGCTACCTACGGAGAATACAGTA
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1178 1170	119 CCTTGTGGGATCACCAAGACTTACACATTCAGA
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938	79 GCAAAGCTCCAGTGGTCACAGCGCCATCGGGATATATTT
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318 310	759 TTTIGCTAIGGGCAITCCGCCAGCTGCCACAGCTCTGGGGACTACAGIGTCCATAAAAIC 8
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1948 CAG 1950	GAG 1952	ACCAACCCTGCTGACAAGTGCTGGGCTTGTCACTGTAATCCCTACGGCACCGTGAATCAG 1947	1890 CCCAATCCAGCAGACAAGTGTCGAGCTTGCAACTGCAACCCAGTGGGCTCGGAGCCTGTG 1949	AACACAGCCGGCTTCTACTGCGACCGCTGCAAGGACGGCTTCTTTGGGAACCCCCTGGCC 1887	1830 AACACAGCTGGGGTCCACTGTGACCAGTGCAAAGCAGGCTACTATGGGGACCCGTTGGCT 1889	GATCCCAACGCTGTGGGCAACTGCAACCGGCAGACGGGGAGTGCCTCAAGTGCATCTAC 1827	1770 GACCCTAGTGCCTCCGGGAACTGTGACCGCCTGACAGGCAGG
		947	1949	887	.889	827	.829

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